

DURANEX® CTN7133N/B

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

DURANEX®CTN7133N/B is a polybutene terephthalate (PBT) product, which contains a filler of 33% glass \minerals. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:
flame retardant/rated flame
Flame Retardant
Lubrication

General Information			
UL YellowCard	E213445-229086		
Filler / Reinforcement	Glass \mineral, 33% filler by weight		
Additive	PTFE lubricant		
	Flame retardancy		
Features	Lubrication		
	Flame retardancy		
UL File Number	E213445		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT+PTFE-(MD+GF)33FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	77.0	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	8350	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.8	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Linear thermal expansion coefficient			Internal method
Flow: 23 to 55°C	3.0E-5	cm/cm/°C	Internal method
Lateral: 23 to 55°C	6.0E-5	cm/cm/°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (3.00 mm)	22	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	120 - 140	°C
Drying Time	3.0 - 5.0	hr
Rear Temperature	250 - 270	°C
Middle Temperature	250 - 270	°C
Front Temperature	250 - 270	°C
Mold Temperature	40 - 80	°C
Holding Pressure	60.0 - 100	MPa
Screw Speed	100 - 150	rpm

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Recommended distributors for this material

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